CLAIMS

What is claimed is:

1.   A method of generating a color reappearance peculiarity profile, which is performed in a computer connected to a color reappearance device, comprising:

outputting a color standard scale having a set color information value through the color reappearance device;

measuring an actual color information value of the outputted color standard scale;

calculating a color information difference value between the set color information value and the measured actual color information value of the color standard scale; and

generating a color reappearance peculiarity profile to instruct the color reappearance device to reappear an optimized color using the color information difference value.

2.   A method of reappearing color using a plurality of color reappearance peculiarity profiles generated by the method of claim 1, comprising:

receiving a demand to reappear the color of the color reappearance device;

displaying a list of the plurality of color reappearance peculiarity profiles instructing the color reappearance device to reappear an optimized color; and

performing the color reappearance operation of the color reappearance device using a specified color reappearance peculiarity profile selected by a user in the displayed list of the plurality of color reappearance peculiarity profiles.

3.   The method of claim 2, wherein the reappearing of the color further comprises:

using one of optimized color reappearance peculiarity profiles corresponding to a plurality of color reappearance devices including the color reappearance device.

4.   An apparatus for generating a color reappearance peculiarity profile, which is included in a computer connected to a color reappearance device, comprising:

a color standard scale output instructing unit which instructs the color reappearance device to output a color standard scale having a set color information value;

a color information difference value calculating unit which calculates a color information difference value between an actual color information value corresponding to a measured color information value of the outputted color standard scale and the set color information value; and

a color profile generating unit which generates the color reappearance peculiarity profile instructing the color reappearance device to reappear optimized color using the calculated color information difference value.

5.   An apparatus for reappearing color using a plurality of color reappearance peculiarity profiles generated by the apparatus of claim 4, comprising:

a profile storing unit to store a plurality of color reappearance peculiarity profiles, which instruct a color reappearance device to reappear an optimized color, and a color reappearance common profile which instructs the color reappearance device to reappear color generally;

a color reappearance demand sensing unit which sense whether or not the color reappearance of the color reappearance device is demanded;

a display instructing unit to demand to display a list of the plurality of color reappearance peculiarity profiles and the color reappearance common profile; and

a color reappearance instructing unit which instructs the color reappearance device to reappear colors using a specified color reappearance peculiarity profile selected by a user in the list of the plurality of color reappearance peculiarity profiles or the color reappearance common profile.

6.   The apparatus of claim 5, wherein the profile storing unit stores optimized color reappearance peculiarity profiles corresponding to a plurality of color reappearance devices including the color reappearance device.

7.   The method of claim 1, wherein the color reappearance device is one of a color printer, a color copying machine, a monitor and a scanner.

8.   The method of claim 4, wherein the color reappearance device is one of a color printer, a color copying machine, a monitor and a scanner.

9.   A method of generating a color reappearance peculiarity profile, which is performed in a computer connected to a color reappearance device, comprising:

outputting a color standard scale having a set color information value through the color reappearance device;

measuring an actual color information value of the outputted color standard scale;

comparing the set color information value and the measured actual color information value of the color standard scale; and

generating a color reappearance peculiarity profile to instruct the color reappearance device to reappear an optimized color according to a result of a comparison.

10.   The apparatus of claim 9, wherein the color reappearance peculiarity profile is one of an international color consortium file and an image color matching file.

11.   A method of reappearing color using a plurality of color reappearance peculiarity profiles generated according to a comparison of a set color information value and a measured actual color information value of the color standard scale, the method comprising:

displaying a list of the plurality of color reappearance peculiarity profiles to reappear an optimized color; and

performing a color reappearance operation using a specified color reappearance peculiarity profile selected by a user in the displayed list of the plurality of color reappearance peculiarity profiles.

12.   The apparatus of claim 11, wherein each of the color reappearance peculiarity profiles is one of an international color consortium file and an image color matching file.

13.   The method of claim 11, wherein the reappearing of the color further comprises:

using one of optimized color reappearance peculiarity profiles corresponding to a plurality of color reappearance devices.

14.   An apparatus for generating a color reappearance peculiarity profile included in a computer connected to a color reappearance device, comprising:

a color standard scale output instructing unit to instruct the color reappearance device to output a color standard scale having a set color information value;

a comparing unit to compare the set color information value and an actual color information value corresponding to a measured color information value of the outputted color standard scale; and

a color profile generating unit to generate the color reappearance peculiarity profile instructing the color reappearance device to reappear optimized color according to a result of a comparison.

15.   The apparatus of claim 14, wherein the color reappearance peculiarity profile is one of an international color consortium file and an image color matching file.

16.   An apparatus for reappearing color using a plurality of color reappearance peculiarity profiles generated according to a comparison of a set color information value and a measured actual color information value of the color standard scale, the apparatus comprising:

a profile storing unit to store the plurality of color reappearance peculiarity profiles to reappear an optimized color, and a color reappearance common profile to reappear color generally;

a display instructing unit to demand display of a list of the plurality of color reappearance peculiarity profiles and the color reappearance common profile; and

a color reappearance instructing unit to instruct the color reappearance device to reappear colors using a specified color reappearance peculiarity profile in the list of the plurality of color reappearance peculiarity profiles and of the color reappearance common profile.

17.   The apparatus of claim 16, wherein the profile storing unit stores optimized color reappearance peculiarity profiles corresponding to a plurality of color reappearance devices including the color reappearance device.

18.   The apparatus of claim 16, wherein each of the color reappearance peculiarity profiles and of the color reappearance common profile, respectively, is one of an international color consortium file and an image color matching file.

19.   A display for use in a computer to reappear color, comprising:

a list box to display one or more color reappearance peculiarity profiles to reappear an optimized color by performing a color reappearance operation using a specified color reappearance peculiarity profile selected by a user in the displayed list box of the one or more color reappearance peculiarity profiles.